

# ATOMIC Briefing Summary

1/23/2020

# Summary

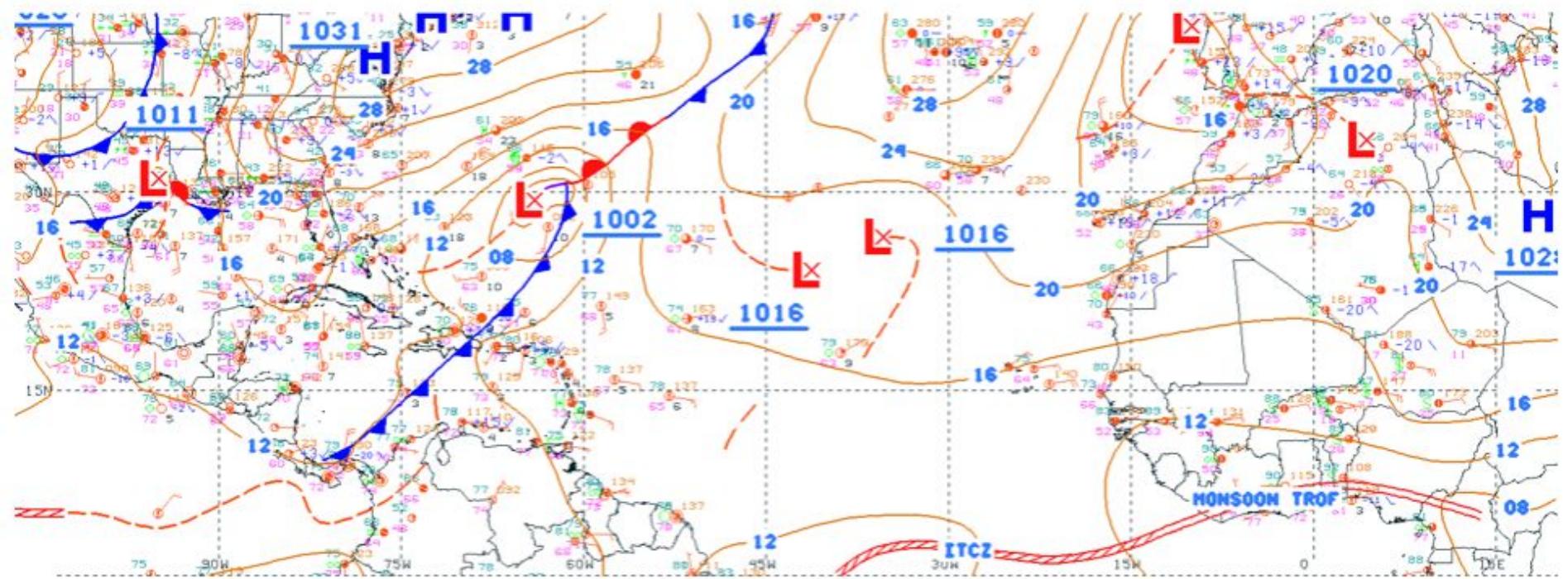
- Our main sources are:

<https://www.esrl.noaa.gov/psd/atomic/briefing/>

<https://observations.ipsl.fr/aeris/eurec4a/#/>

- Latest ATOMIC weather briefing from Caribbean forecasters can be found here:

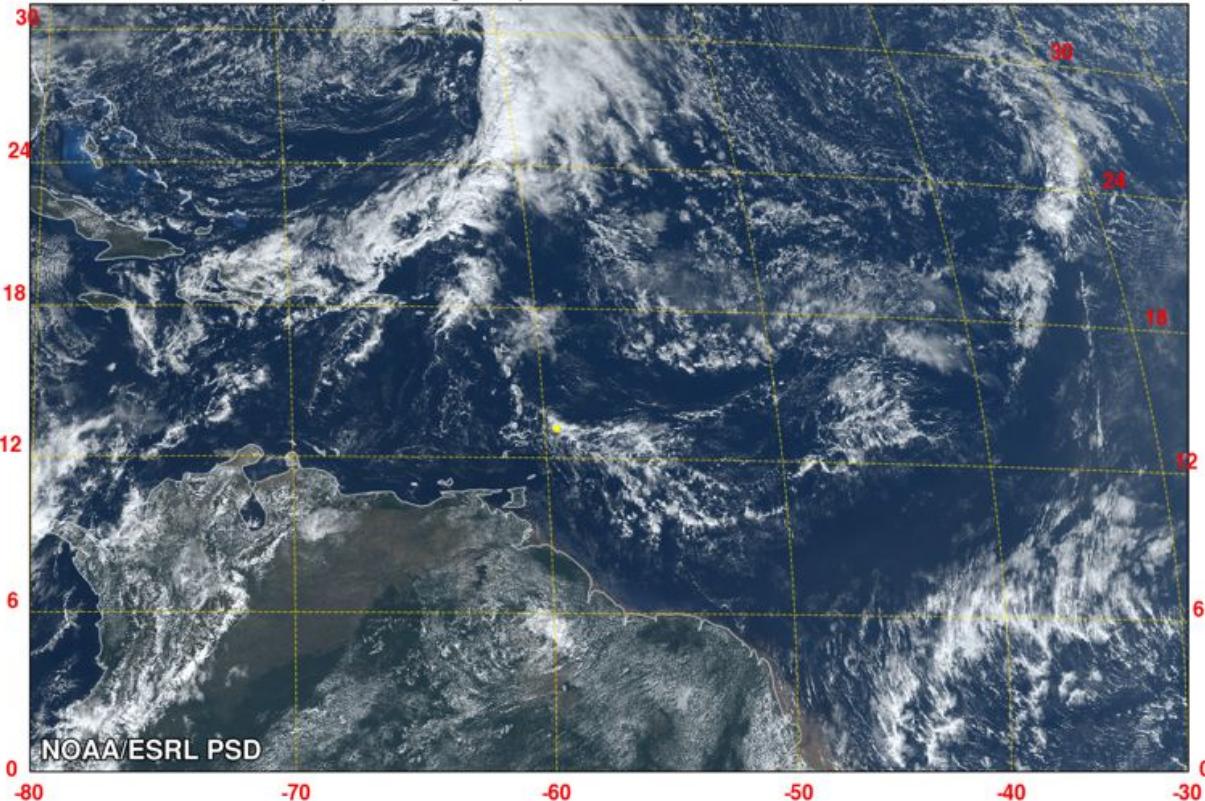
[http://eurec4a.uk/forecast\\_testbed/](http://eurec4a.uk/forecast_testbed/)



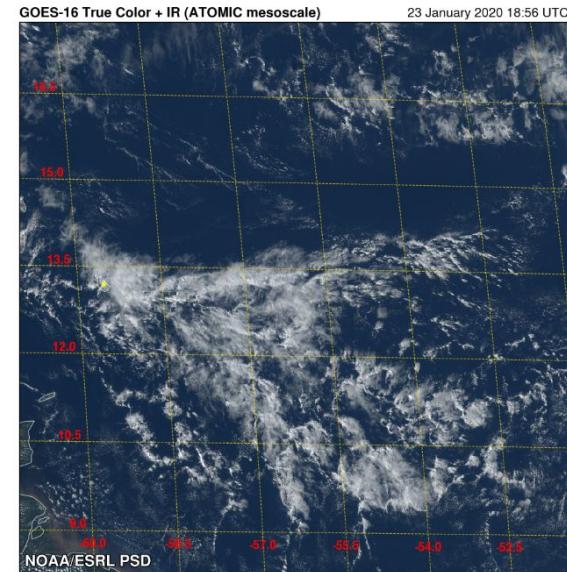
12 UTC JANUARY 23, 2020 - NATIONAL WEATHER SERVICE

# Today's GOES-16

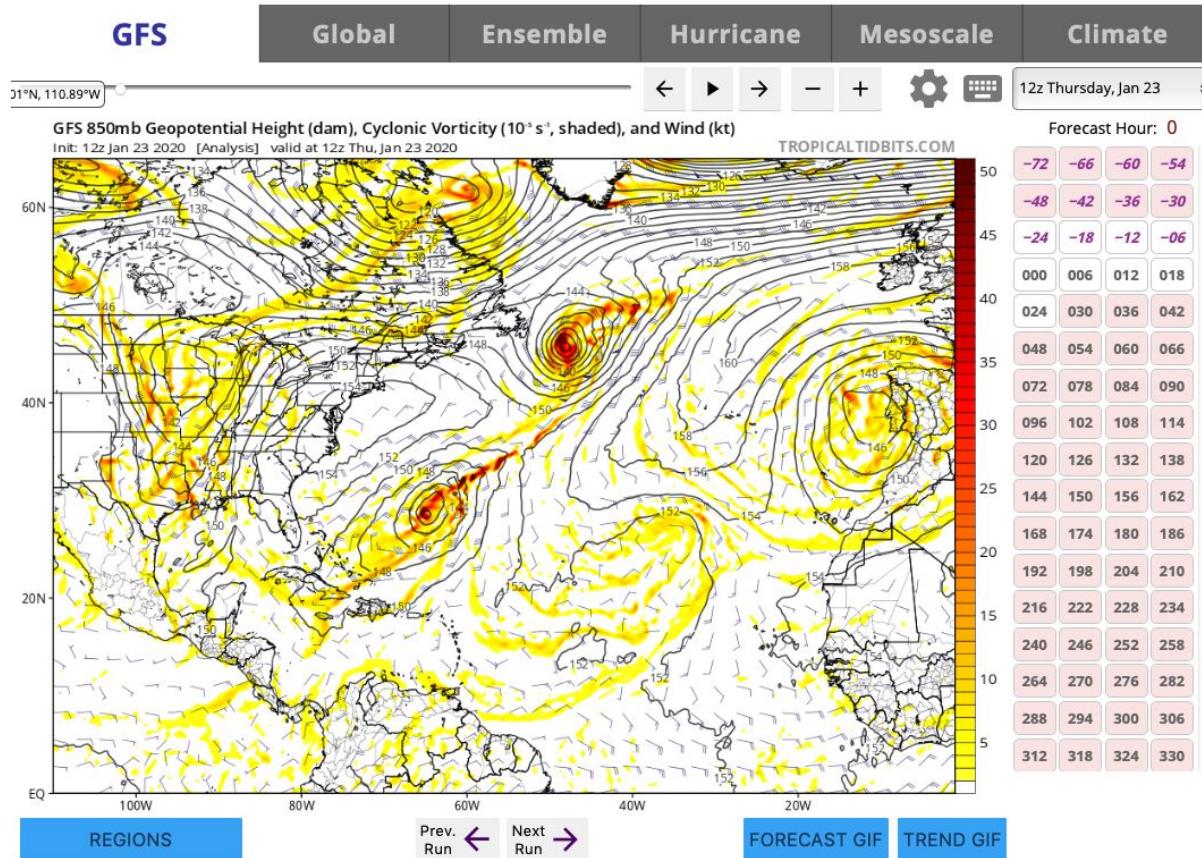
GOES-16 True Color + IR (ATOMIC regional)



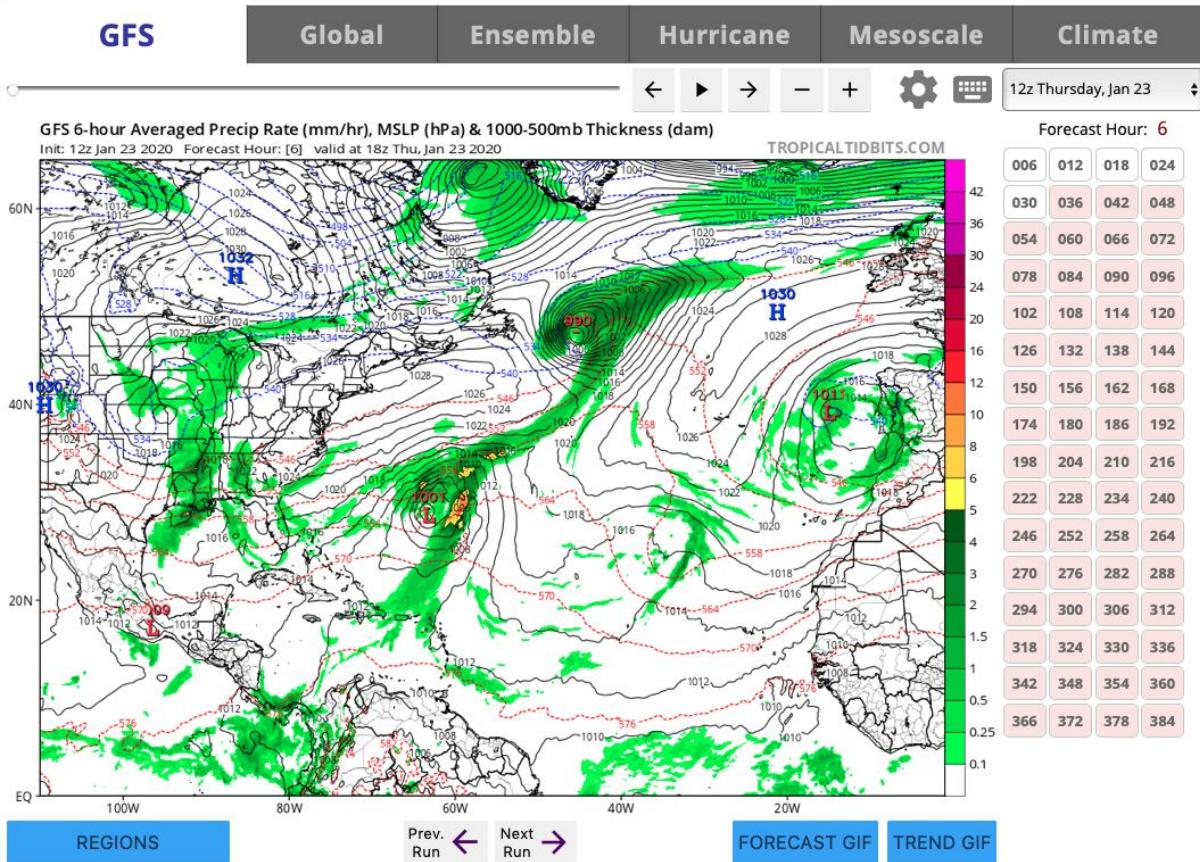
GOES-16 True Color + IR (ATOMIC mesoscale)



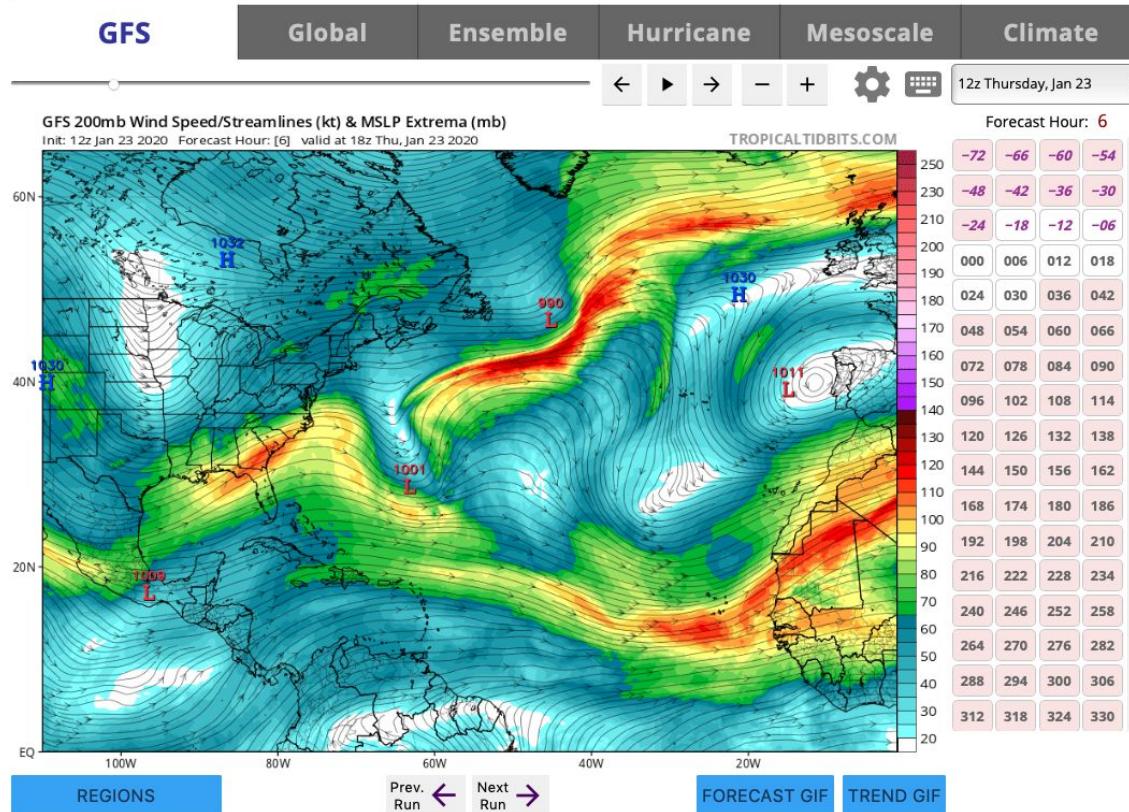
# GFS analysis



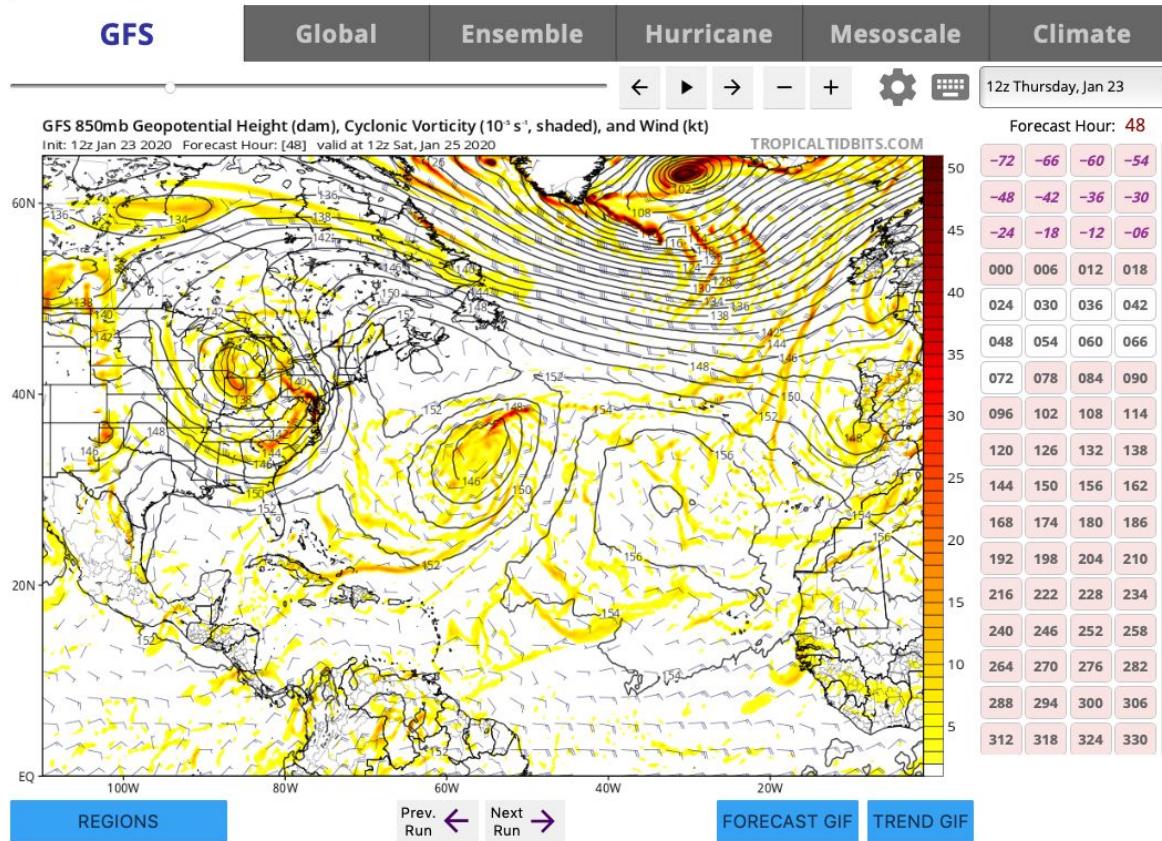
# GFS analysis



# GFS analysis



# GFS 48hr forecast



# GFS 48hr forecast

GFS

Global

Ensemble

Hurricane

Mesoscale

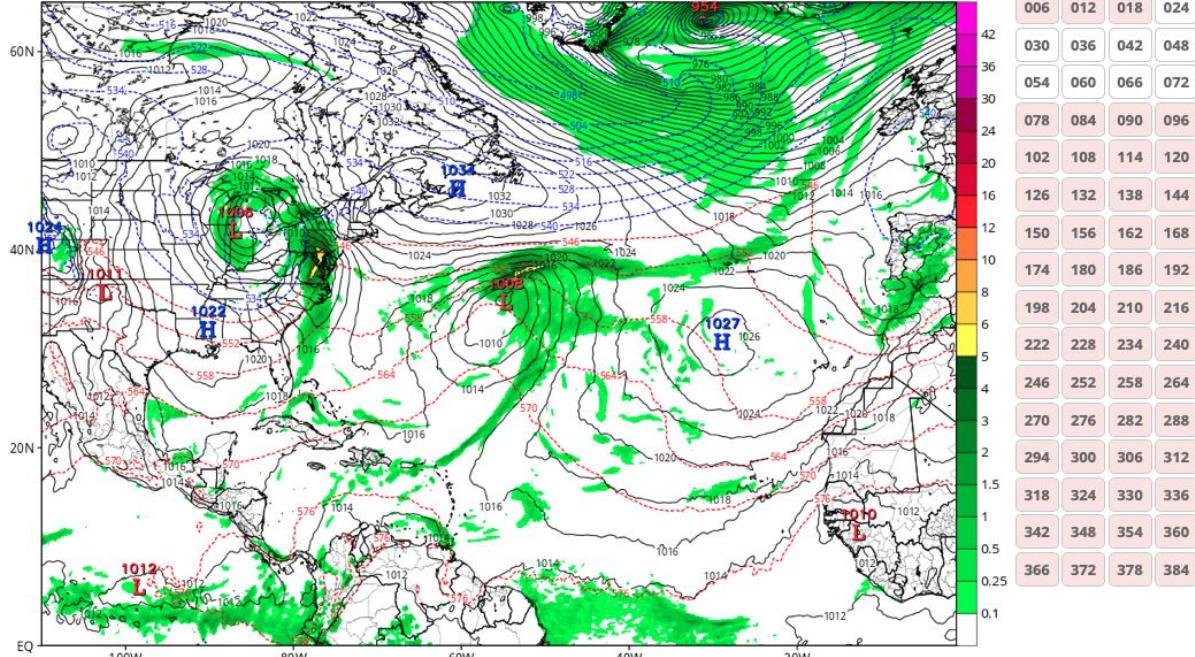
Climate

◀ ▶ ← → - + ⚙️ ⌂ 12z Thursday, Jan 23

GFS 6-hour Averaged Precip Rate (mm/hr), MSLP (hPa) & 1000-500mb Thickness (dam)

Init: 12z Jan 23 2020 Forecast Hour: [48] valid at 12z Sat, Jan 25 2020

TROPICALTIDBITS.COM



Forecast Hour: 48

006	012	018	024
030	036	042	048
054	060	066	072
078	084	090	096
102	108	114	120
126	132	138	144
150	156	162	168
174	180	186	192
198	204	210	216
222	228	234	240
246	252	258	264
270	276	282	288
294	300	306	312
318	324	330	336
342	348	354	360
366	372	378	384

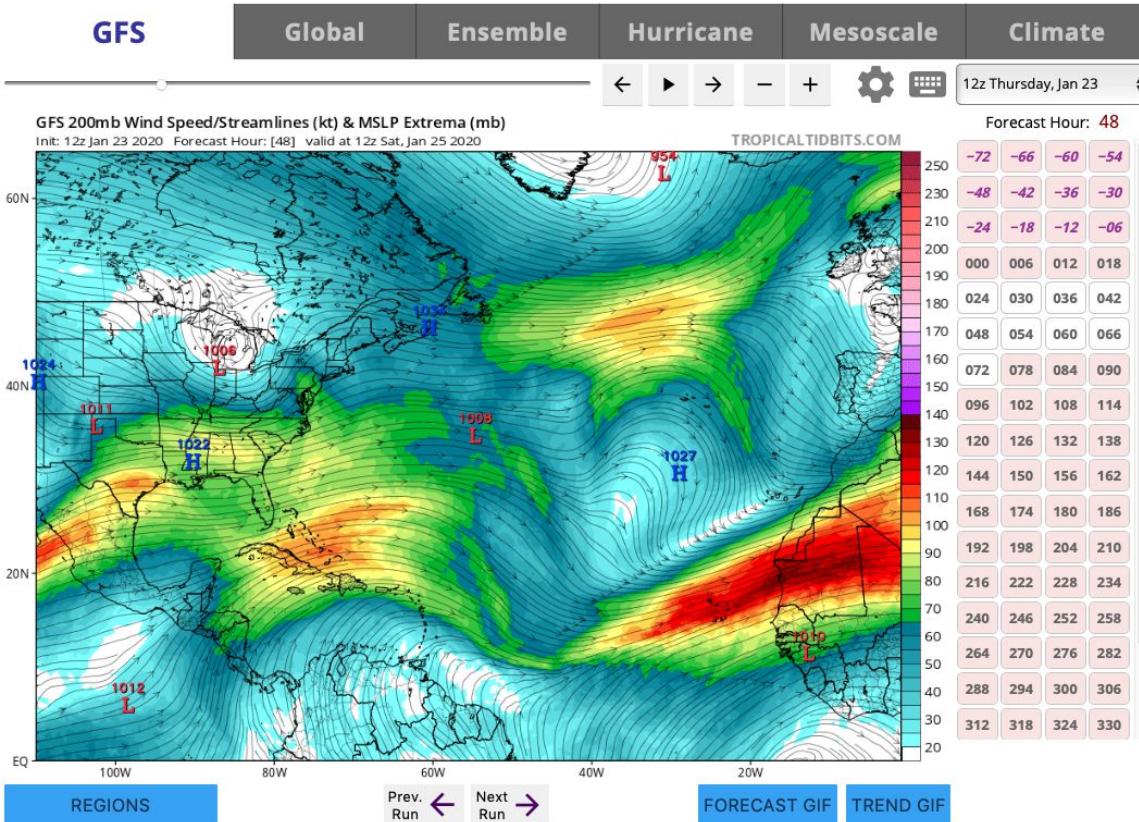
REGIONS

Prev. Run ← Next Run →

FORECAST GIF

TREND GIF

# GFS 48hr forecast



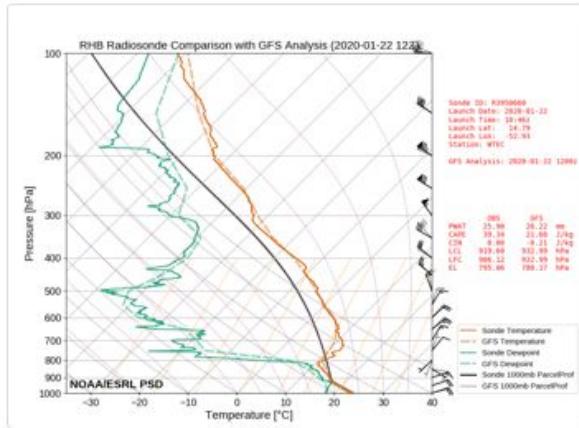
# New tool on: <https://www.esrl.noaa.gov/psd/atomic/briefing/>

## Soundings with GFS Model Comparisons

Selected Platform:

Ron Brown

Analysis



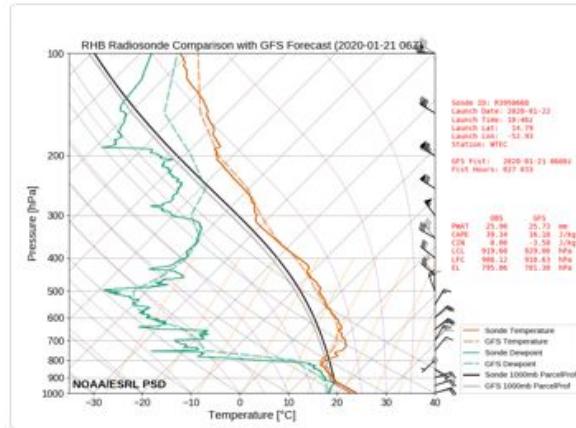
Selected Sonde:

< Prev

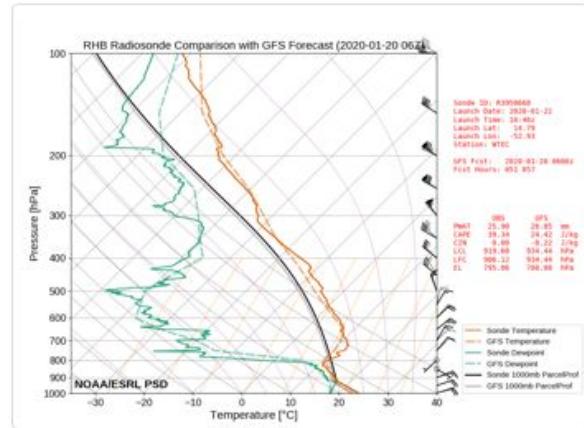
2020-01-22 10:46 UTC

Next >

~24 Hour Forecast

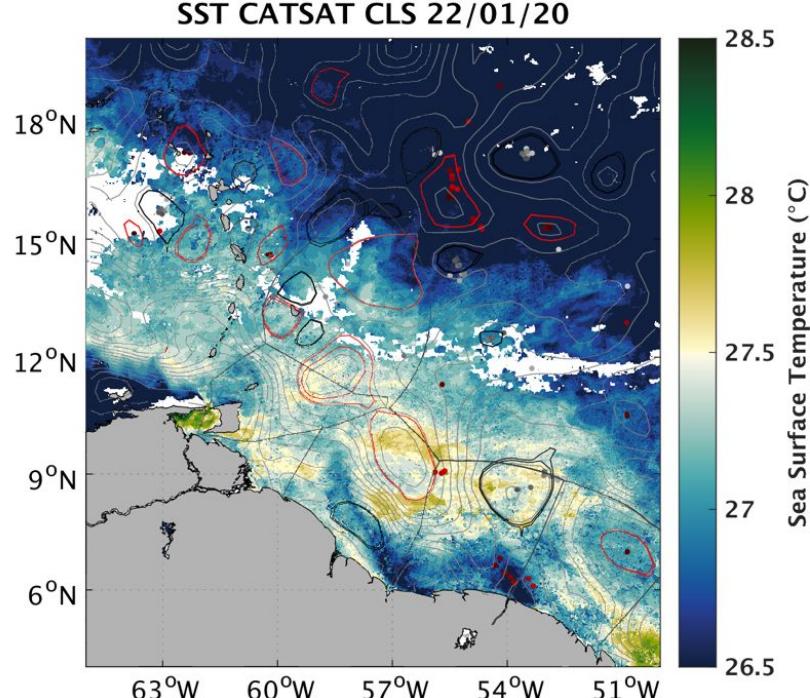
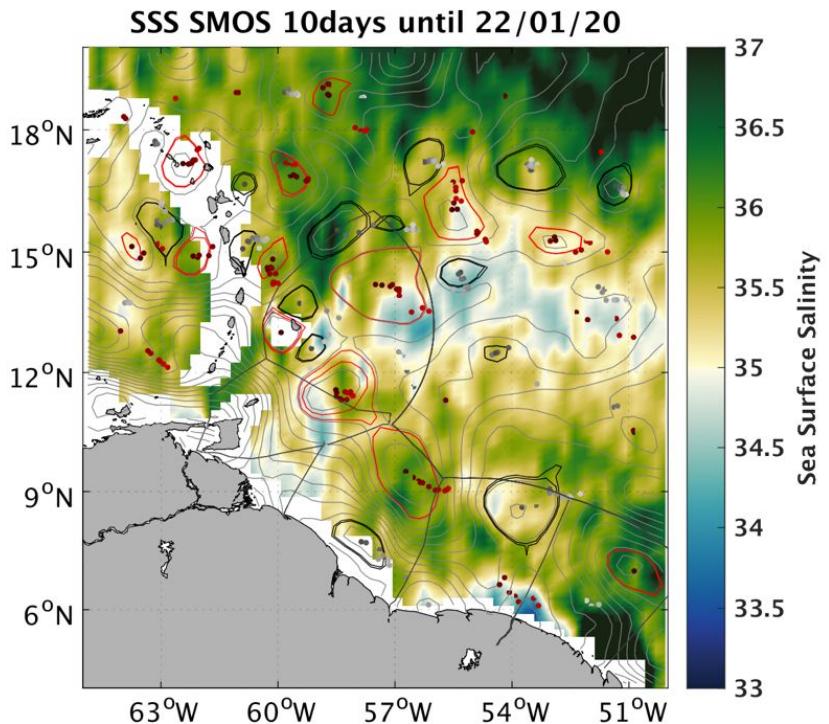
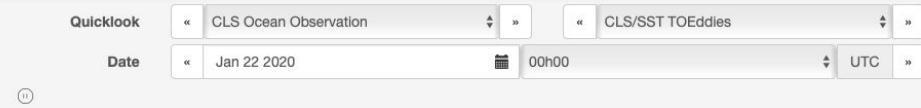


~48 Hour Forecast

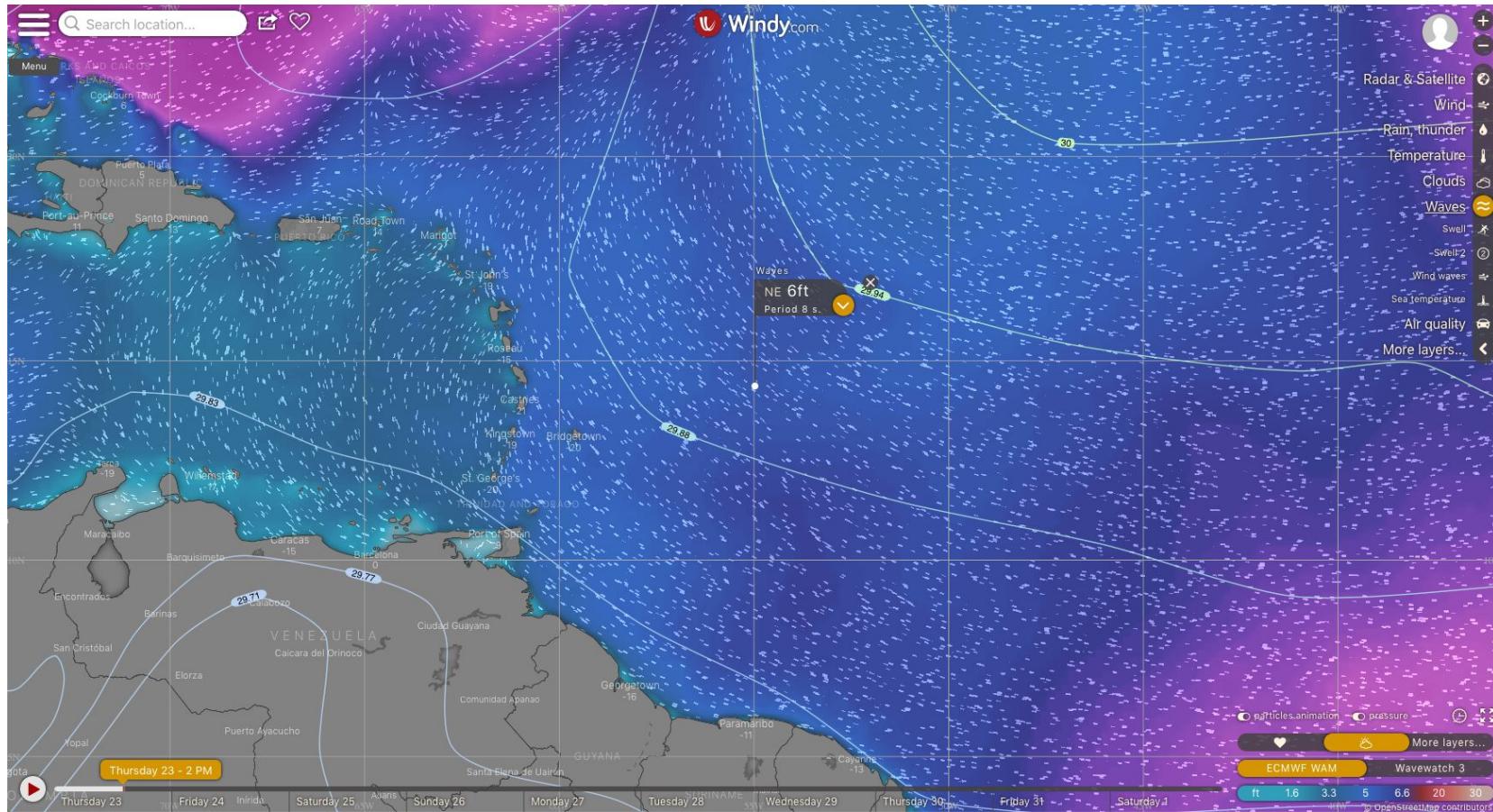


The GFS analysis field is from the closest run time to the sounding time; the 24 & 48 hour forecast data are interpolated from the nearest times to the sounding time (see plot for exact times used). GFS vertical spacing is every 50 hPa.

# Latest ocean observations: SST/SSS & TOEddies

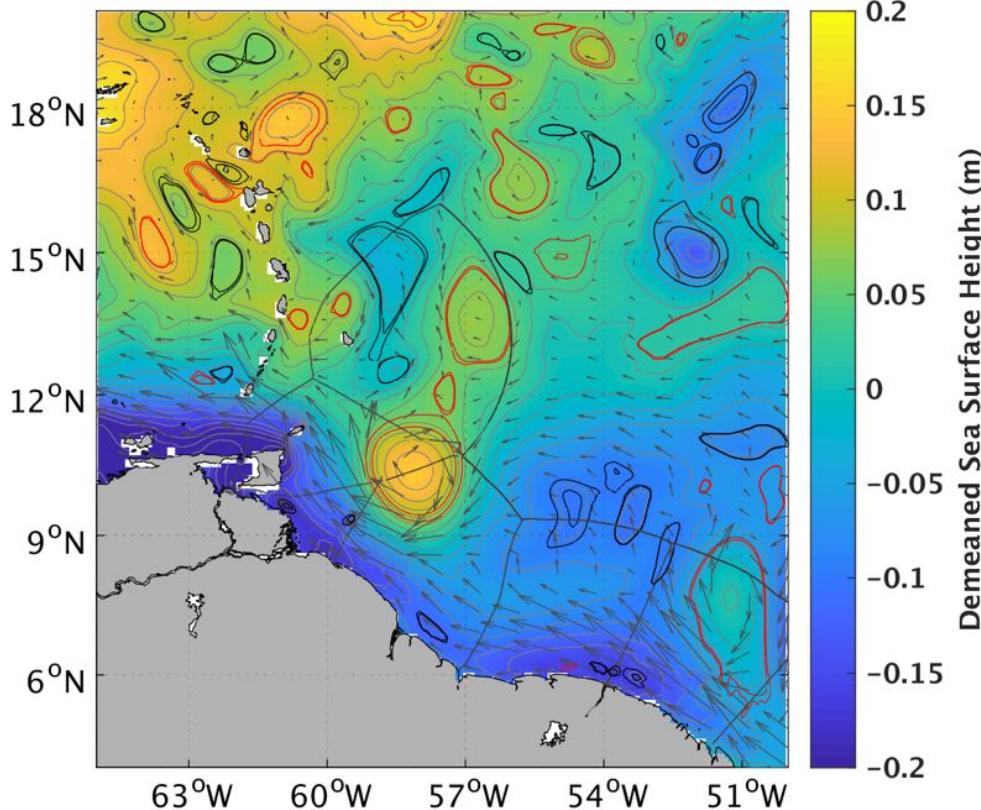


# Waves forecast

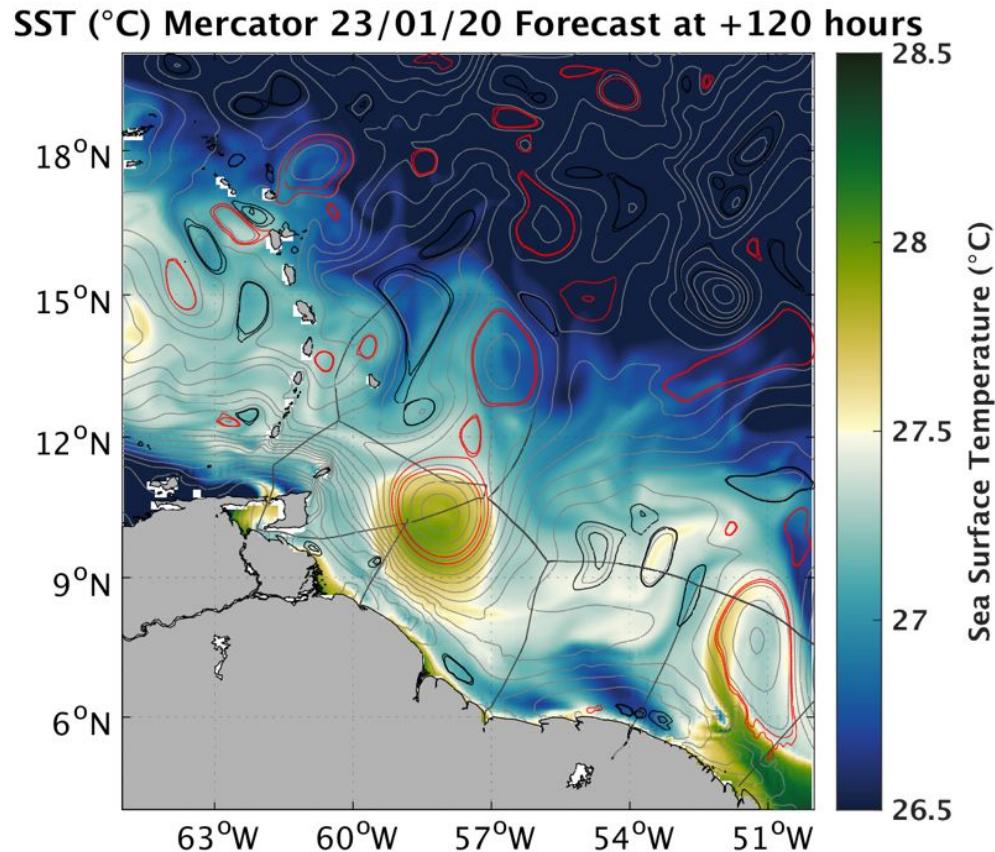


# Ocean Forecasts

SSH (m) Mercator 23/01/20 Forecast at +120 hours



# Ocean Forecasts



# Ocean Forecasts

SSS Mercator 23/01/20 Forecast at +120 hours

